

Title (en)  
UV-RESISTANT SUPERHYDROPHOBIC COATING COMPOSITIONS

Title (de)  
UV-BESTÄNDIGE SUPERHYDROPHOBE BESCHICHTUNGSZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITIONS DE REVÊTEMENT SUPER-HYDROPHOBES RÉSISTANT AUX UV

Publication  
**EP 3158022 A4 20180620 (EN)**

Application  
**EP 15811837 A 20150620**

Priority

- US 201462015771 P 20140623
- US 2015036840 W 20150620

Abstract (en)  
[origin: US2015368496A1] A coating composition for a substrate includes a polymer binder, one or more hydrophobic silicon dioxide compositions, and one or more UV protection agents. The polymer binder can include a fluoropolymer or an epoxy polymer resin. The coating composition can also include molybdenum disulfide.

IPC 8 full level  
**C09D 5/00** (2006.01); **C09D 5/08** (2006.01); **C09D 127/12** (2006.01); **C09D 163/00** (2006.01); **H01B 3/30** (2006.01); **H01B 3/40** (2006.01); **H01B 3/44** (2006.01); **C08K 3/22** (2006.01); **C08K 3/30** (2006.01); **C08K 9/06** (2006.01); **C08K 13/06** (2006.01)

CPC (source: EP KR US)  
**C08K 3/22** (2013.01 - US); **C08K 3/30** (2013.01 - US); **C08K 3/36** (2013.01 - US); **C09D 7/61** (2017.12 - KR); **C09D 127/12** (2013.01 - EP US); **C09D 127/18** (2013.01 - EP US); **C09D 127/20** (2013.01 - KR); **C09D 163/00** (2013.01 - EP KR US); **H01B 1/023** (2013.01 - KR US); **H01B 1/026** (2013.01 - KR US); **H01B 3/308** (2013.01 - EP KR US); **H01B 3/40** (2013.01 - EP KR US); **H01B 3/445** (2013.01 - EP KR US); **C08K 9/06** (2013.01 - US); **C08K 2003/2296** (2013.01 - EP KR US); **C08K 2003/3009** (2013.01 - EP KR US); **C08L 2205/025** (2013.01 - EP US); **C08L 2205/03** (2013.01 - EP US)

Citation (search report)

- [X] CN 101691473 A 20100407 - CHINA NAT PETROLEUM CORP, et al
- [XY] US 2010310774 A1 20101209 - WU JIN [US], et al
- [Y] EP 0537360 A1 19930421 - TAKATA CORP [JP], et al
- [Y] US 2013264093 A1 20131010 - FONTANA LLUIS RIERA [ES], et al
- [A] WO 2011095208 A1 20110811 - ABB RESEARCH LTD [CH], et al
- [A] KR 20050079705 A 20050811 - LEE GANG IN [KR]
- [A] CN 101838576 A 20100922 - NINGBO INST OF MATERIAL TECHNOLOGY AND ENGINEERING CHINESE ACADEMY OF SCIENCES
- See references of WO 2015200146A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 10370514 B2 20190806; US 2015368496 A1 20151224;** CA 2953510 A1 20151230; CA 2953510 C 20191203; CN 106574173 A 20170419; CN 106574173 B 20191101; EP 3158022 A1 20170426; EP 3158022 A4 20180620; JP 2017529409 A 20171105; JP 6491244 B2 20190327; KR 102133544 B1 20200713; KR 20170016946 A 20170214; KR 20190097311 A 20190820; US 11001696 B2 20210511; US 2019338102 A1 20191107; WO 2015200146 A1 20151230

DOCDB simple family (application)  
**US 201514745384 A 20150620;** CA 2953510 A 20150620; CN 201580043019 A 20150620; EP 15811837 A 20150620; JP 2016575029 A 20150620; KR 20177000469 A 20150620; KR 20197023604 A 20150620; US 2015036840 W 20150620; US 201916511481 A 20190715